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Claims

[1] A light emitting device comprising: a light emititng chip; and a phosphor through which a first light emitting from the light emitting chip passes, wherein the phosphor comprises a first silicate phosphor exciting a second light having a first centered emission peak using the first light and a second silicate phosphor exciting a third light having a second centered emission peak using the first light. [2] The light emitting device according to claim 1, wherein the first centered emission peak is in a range of 550 - 600 nm. [3] The light emitting device according to claim 1, wherein the second centered emission peak is in a range of 500 - 550 nm. The light emitting device according to claim 1, wherein the first silicate phosphor [4] has a chemical formula of Sr3-xSiO5: $Eu^{2+} \times (0 < x \le 1)$. The light emitting device according to claim 1, wherein the second silicate [5] phosphor has a chemical formula selected from the group consisting of Ba2-x $SiO4:Eu^{2+} \times (0.001 \le x \le 1)$, Ca1-xMgSi2O7: $Eu^{2+} \times (0.001 \le x \le 1)$ and Sr2-x $SiO4:Eu^{2+} \times (0.001 \le x \le 1).$ [6] The light emitting device according to claim 1, wherein the first silicate phosphor and the second silicate phosphor exist at a ratio of 1:1 to 1:9 or 9:1 to 1:1. [7] The light emitting device according to claim 1, wherein the phosphor has a particle size of $d90 \le 20 \, \square$, $5 \le d50 \le 10 \, \square$. [8] The light emitting device according to claim 1, wherein the light emitting chip emits blue light. [9] The light emitting device according to claim 1, wherein the phosphor is molded in a periphery of the light emitting chip or on the light emitting chip. [10] The light emitting device according to claim 1, wherein the phosphor is manufactured by mixing the phosphor with a light transmitting resin. [11]The light emitting device according to claim 10, wherein the resin is an epoxy resin or a silicon resin. The light emitting device according to claim 1, wherein the first silicate phosphor [12] is a yellow series and the second silicate phosphor is a green series. [13] A phosphor of a light emitting device, comprising: a first silicate phosphor excited by a light generated by a light emitting chip and having a chemical formula of Sr3-xSiO5: Eu^{2+} x (0 < x \leq 1); and a second silicate phosphor excited by the light generated by the light emitting

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chip and having a chemical formula selected from the group consisting of Ba2-x SiO4:Eu²⁺ x (0.001 \le x \le 1), Ca1-xMgSi2O7:Eu²⁺ x (0.001 \le x \le 1) and Sr2-x SiO4:Eu²⁺ x (0.001 \le x \le 1).

- [14] A ligth emitting device comprising:
 - a substrate;
 - a light emitting chip emitting a light;
 - a connection part for electrically connecting the substrate with the light emitting chip:
 - a phosphor encapsulating the light emitting chip and through which the light passes;
 - a first silicate phosphor contained in the phosphor and having a chemical formula of Sr3-xSiO5: $Eu^{2+} \times (0 < x \le 1)$; and
 - a second silicate phosphor contained in the phosphor and having a chemical formula selected from the group consisting of Ba2-xSiO4:Eu²⁺ x (0.001 \leq x \leq 1), Ca1-xMgSi2O7:Eu²⁺ x (0.001 \leq x \leq 1) and Sr2-xSiO4:Eu²⁺ x (0.001 \leq x \leq 1).
- [15] The light emitting device according to claim 14, wherein when the light emitting device is a top view type, the first silicate phosphor and the second silicate phosphor exist at a ratio of 1:2 to 1:3.
- [16] The light emitting device according to claim 14, wherein when the light emitting device is a side view type, the first silicate phosphor and the second-based phosphor exist at a ratio of 1:3 to 1:4.
- [17] A ligth emitting device comprising:
 - a leadframe;
 - a light emitting chip emitting a light;
 - a connection part for electrically connecting the leadframe with the light emitting chip;
 - a phosphor encapsulating and molding the light emitting chip and through which the light passes;
 - a first silicate phosphor contained in the phosphor and having a chemical formula of Sr3-xSiO5: $Eu^{2+} \times (0 < x \le 1)$; and
 - a second silicate phosphor contained in the phosphor and having a chemical formula selected from the group consisting of Ba2-xSiO4:Eu²⁺ x (0.001 \le x \le 1), Ca1-xMgSi2O7:Eu²⁺ x (0.001 \le x \le 1) and Sr2-xSiO4:Eu²⁺ x (0.001 \le x \le 1).
- [18] A ligth emitting device comprising:
 - a light emitting chip emitting a light; and
 - a resin-based phosphor through which the light emitting from the light emitting chip passes;
 - wherein the phosphor comprises a yellow silicate phosphor exciting a second

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light having a first centered emission peak using the first light and a green silicate phosphor exciting a third light having a second centered emission peak using the first light, and the green silicate phosphor and the yellow silicate phosphor exist at a ratio of 1:2 to 1:5.

- [19] The light emitting device according to claim 18, wherein the phosphor is contained at a ratio of 15 30 wt% with respect to the base so as to emit white light.
- [20] The light emitting device according to claim 18, wherein the phosphor is contained at a ratio of 5 15 wt% with respect to the base so as to emit bluish light.